

OmniClass Reader

Installation Guide

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Revision 00

Ordering Information

Please contact your local OmniClass representative or visit us on the web at www.honeywell.com for information about ordering.

Feedback

Honeywell appreciates your comments about this manual. Please visit us on the web at www.honeywell.com to post your comments.

1 INSTALL TAMPER SWITCH

INSTALACIÓN DEL INTERRUPTOR DE SABOTAJE

INSTALL TAMPER SWITCH

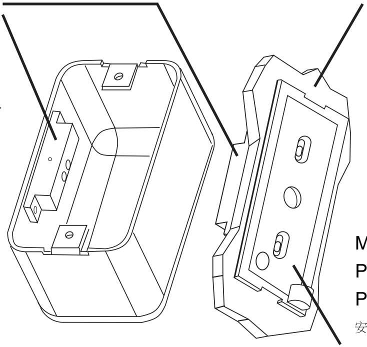
INSTALAÇÃO DO INTERRUPTOR ANTI-VIOLAÇÃO

安装干扰开关

タンパスイッチの取り付け

INSTALLATION DES SABOTAGESCHUTZES

INSTALLAZIONE INTERRUTTORE MANOMISSIONE



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INSTALLAZIONE INTERRUTTORE MANOMISSIONE

An internal magnet provides tamper indication when used with a magnetic reed switch connected to an external alarm system. (Except OM30).

Un imán interno permite la activación de una señal de sabotaje cuando se utiliza un conmutador de lámina externo. (Excepto en OM30).

Un aimant interne indique les intrusions lorsqu'il est utilisé avec un commutateur peigne magnétique connecté à un système d'alarme externe. (Sauf OM30).

Um ímã interno proporciona a capacidade de indicacão de violacão quando utilizado com um interruptor de lâmina magnético conectado a um sistema de alarme externo. (Exceto no modelo OM30).

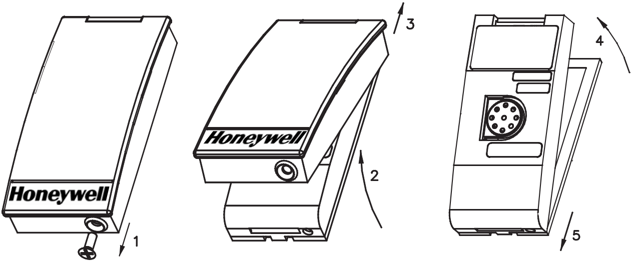
内部磁块与一个磁性锁头开关共同使用时可为外部连接的警报系统提供干扰指示(OM30除外)

外部警報システムに接続されたマグネット式リードスイッチを併用することで、内蔵マグネットが破壊行為を知らせます。(OM30を除く)

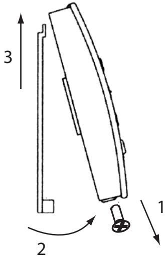
Ein interner Magnet bietet Sabotageschutz, wenn er zusammen mit einem magnetischen Reed-Schalter verwendet wird, der anein externes Alarmsystem angeschlossen ist. (Außer OM30).

Un magnete interno fornisce indicazione di manomissione quando usato con un interruttore a lamella magnetico collegato a un impianto di allarme esterno. (Eccetto OM30).

2 ASSEMBLY AND DISASSEMBLY
MONTAJE Y DESMONTAJE
MONTAGE ET DÉMONTAGE
MONTAGEM E DESMONTAGEM
安装与拆卸
組立ておよび分解
ZUSAMMENBAU UND ZERLEGUNG
MONTAGGIO E SMONTAGGIO

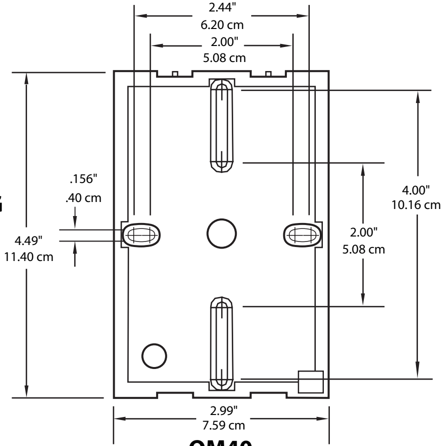


OM30 / OM40 / OM45

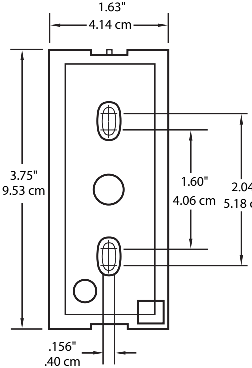


OM55

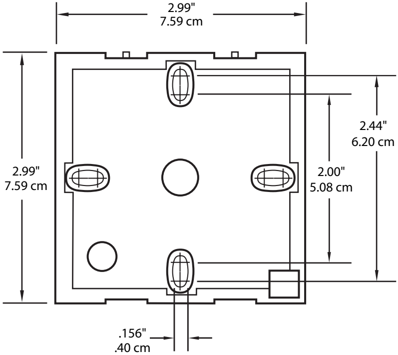
3 PREPARING
PREPARACIÓN
PRÉPARATION
PREPARAÇÃO
准备
準備
VORBEREITUNG
PREPARAZIONE



OM40

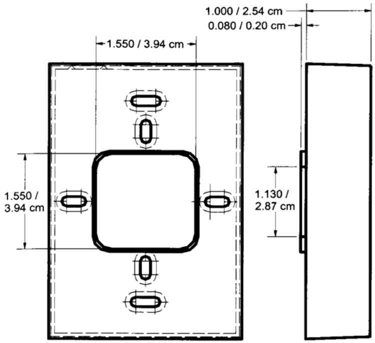


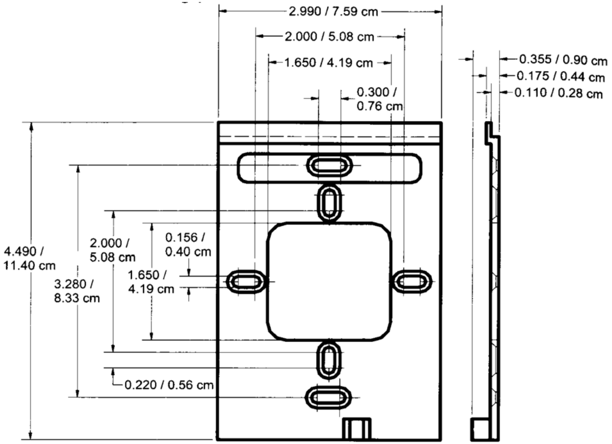
OM30



OM45

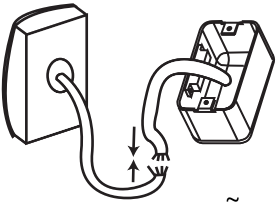
3 PREPARING
PREPARACIÓN
PRÉPARATION
PREPARAÇÃO
准备
準 備
VORBEREITUNG
PREPARAZIONE





OM55

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ENGLISH Wiring digram

red	+DC (10-16 VDC)
black	ground
green	Data 0 (data)
white	Data 1 (clock)
drain	**shield ground
orange	*green LED
brown	*red LED
yellow	*speaker
blue	*hold
violet	*card presented (OM55)

*optional connections
**Drain wire can be "data return" line when a separate power supply is used

ESPAÑOL Diagrama de cableado

rojo	+CC (10-16 VCC)
negro	tierra
verde	Data 0 (datos)
blanco	Dato 1 (reloj)
malla	**blindaje de tierra
naranja	*LED verde
marron	*LED rojo
amarillo	*altavoz
azul	*entrada de retención
violeta	*tarjeta presentada (OM55)

*conexiones opcionales
**El hilo de drenaje puede utilizarse como linea de retorno cuando se utiliza una fuente de alimentación independiente

FRANÇAIS Schema de cablage

rouge	+CC (5-16 V cc)
noir	terre
vert	données 0 ("data")
blanc	données 1 ("clock")
branch. supp.	**mise à la terre blindée
orange	*voyant vert
marron	*voyant rouge
jaune	*bip
bleu	*attente
violet	*carte présente (OM55)

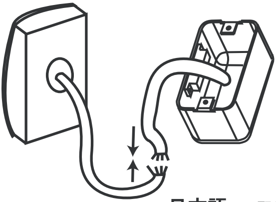
*connexions facultatives
**Le branchement supplémentaire peut servir de ligne de retour de données en cas d'utilisation d'une alimentation électrique séparée

PORTUGUÊS Diagrama de ligações

vermelho	CA+ (5-16 V CA)
preto	terra
verde	Dados 0 (dados)
branco	Dados 1 (clock)
dreno	**terra do gabinete
laranja	*LED verde
marrom	*LED vermelho
amarelo	*biper
azul	*reserva
violeta	*placa presente (OM55)

*conexòes opcionais
**O fio do dreno pode ser a linha de "retorno de dados" quando usada uma fonte de energia separada

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中文 布线图

红色	+DC (10-16 VDC)
黑色	接地
绿色	数据 0 (数据)
白色	数据 1 (数据)
排流线	** 屏蔽接地
橙色	* 绿色发光二极管
棕色	* 红色发光二极管
黄色	* 蜂鸣器
蓝色	* 保持
紫色	*卡在可读范围内(OM55)

* 可选用连接

** 当使用独立电源时，排流线可以作“数据返回”线路

日本語 配線

赤	+DC (5-16 VDC)
黒	アース
緑	データ 0 (データ)
白	データ 1 (クロック)
ドレイン	** シールドグラウンド
オレンジ	* LED 緑
茶色	* LED 赤
黄色	* スピーカ
青	* ホールド
紫	* オープンコレクタ (OM55)

* オプション接続

** ドレイン接続配線は独立電源を使う際にデータ返送用として使用可能

DEUTSCH Schaltplan

rot	+Gleichstrom (5-16 VDC)
schwarz	erde
grun	Daten 0 (Daten)
weiss	Daten 1 (Zeit)
drain	**schirmerde
orange	*grüne LED
braun	*rote LED
gelb	*signal
blau	*halten
violett	*karte vorhanden (OM55)

*optionale Verbindungen

**Drainanschluss kann bei Verwendung separater Stromzufuhr Datenrückleitung sein

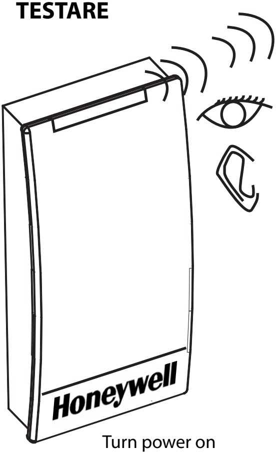
ITALIANO Schema di collegamento

rosso	+DC (5-16 VDC)
nero	terra
verde	Dato 0 (dato)
bianco	Dato 1 (clock)
cavo di terra	**schermo di terra
arancione	*LED verde
marrone	*LED rosso
giallo	*ronzatore
blu	*memoria
viola	*scheda attiva (OM55)

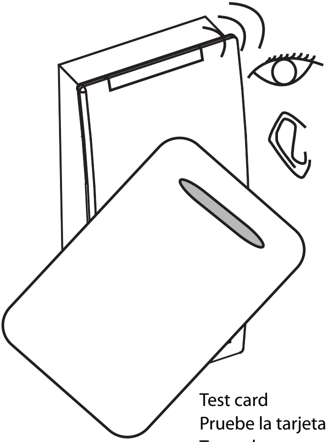
*connessioni opzionali

**Il cavo puo fare da "ritorno dati" se viene utilizzatto un alimentatore separato

5 TESTING
PRUEBA
TEST
TESTE
测试
テスト
TESTEN
TESTARE



Turn power on
Encienda la unidad
Mettez sous tension
Ligar energia
打开电源 / 加电
電源を入れる
Strom einschalten
Accendere



Test card
Pruebe la tarjeta
Testez la carte
Placa de teste
测试卡
カードのテスト
Kartentest
Test

6 OPTIONAL FEATURES

* **Configuration Options** - Configure LED, Speaker, keypad operation, keypad lighting, and other features. See How to Order Guide or ***OmniClass*** Application Note for details.
* **Hold Input** - when asserted, this line either buffers a card or disables a card read until released, as configured.

CARACTERISTICAS OPCIONALES

* **Opciones de configuración** - Permite configurar el Led, altavoz y otras características. Para más detalles, consulte la Guía Cómo Hacer su Pedido o la Nota de Aplicación de ***OmniClass***.
* **Entrada de retención** - Según sea la configuración, cuando esta línea se activa, se almacena el valor de la última tarjeta leída o se deshabilita la lectura. Esto sucederá mientras esta línea permanezca activada.

FONCTIONNALITES EN OPTION

* **Options de configuration** - Configure l'affichage LED, le haut-parleur et d'autres fonctionnalités. Voir le guide How To Order (Comment commander) ou la note d'application intitulée ***OmniClass*** pour plus de détails.
* **Entrée suspendue** - Quand il est mis enœuvre, ce circuit met une carte en tampon ou désactive provisoirement la lecture d'une carte, selon la configuration choisie.

RECURSOS OPCIONAIS

* **Opções de configuração** - configura o LED, o alto-falante e os outros recursos. Para obter maiores detalhes, consulte o guia "Como fazer seu pedido" ou a observação de aplicação do ***OmniClass***.
* **Bloqueio de entrada de sinal** - quando ativada, esta linha impede a utilização do cartão lido, ou desativa o cartão lido, até o momento em que for liberado, de acordo com a configuração.

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选择性功能

* **配置选择 -** 配置 LED 扬声器和其他功能。参见 How To Order Guide (订购指南)或 ***OmniClass*** Application Note (***OmniClass*** 应用说明)。
* **暂停输入 -** 使用这一功能时，该线路会根据不同的设置减少读卡灵敏度或不读卡，直至取消 使用该功能为止。

オプション機能

* **コンフィギュレーションオプション** ー LED、スピーカ、その他の機能のコンフィギュレーションを設定。詳しくは注文方法の手引きもしくは***OmniClass*** アプリケーションノートを参照。
* **ホールド入力** ー アサーションの際、設定にしたがって、ラインが開放されるまでカードのバッファを行うか、カードの読み出しを無効にする。

OPTIONALE FUNKTIONEN

* **Konfigurationsoptionen** - LED, Lautsprecher und anderes konfigurieren. Nähere Informationen unter Auftragsleitfaden oder ***OmniClass*** Anwendungshinweis.
* **Halteeingang** - wenn aktiviert, puffert diese Leitung entweder eine Karte oder deaktiviert eine Kartenlesung bis zur Freigabe, je nach Konfiguration.

FUNZIONI OPZIONALI

* **Opzioni di configurazione** - per configurare il LED, lo speaker e altre funzioni. Per dettagli, vedere la guida alle ordinazioni o la nota applicativa ***OmniClass***.
* **Ingresso trattenuta** - quando viene attivata, questa linea mette in buffer una scheda o diabilita una scheda, secondo la configurazione.

FCC Warning

This device complies with part 15 of the FCC rules.

Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference that may cause undesired operation.

* For proper regulatory compliance, the drain wire should be disconnected at the power supply end of the cable.
* Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
* The Reader is intended to be powered from a limited power source output of a previously certified power supply.

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PARTS

* 1 - Reader
* 1 - Installation Manual
* 2 - 3.5 mm x .6 pitch x 12 mm Phillips machine screws
* 3 - 6-32 x .375" Phillips self-tapping machine screws
* 2 - 6 x 1.5" Phillips sheet metal screws
* 1 - 6-32 x .375 Spanner security screw
* 1 - Mounting Gasket

RECOMMENDED

* Up to 10 wire splices
* Cable, 9 conductor, 22AWG, shielded (Wiegand)
* Cable, 6 conductor, 22AWG, shielded (Serial)
* Metal or plastic junction box
* Magnetic switch - Ademco 945T, Sentrol 1038T, GRI 100T, or 110T or Aleph DC-2531
* Security Tool (for security screw)

COMPONENTES

* 1 - lector
* 1 - manual de instalación
* 2 - Tornillos Phillips de 3.5mm x 12mm, paso 0.6
* 3 - Tornillos autoperforantes N.° 6 para metales Phillips 32 x 0.375"
* 1 - Tornillo de seguridad N.° contra sabotaje 0.375"

RECOMENDADO

* 9 empalmes para cable
* 1 cable, 5-9 conductores (Wiegand o Rs-232) blindado 22AWG
* Fuente de alimentación lineal CC
* Caja de conexiones metálica o de plástico
* Interruptor magnético, Ademco 945T, Sentrol 1038T, GRI 100T, GRI110T o Aleph DC-2531
* Herramienta de seguridad (para tornillo contra sabotaje)

SPECIFICATIONS

ESPECIFICACIONES

	OM30	OM40
Dimensions	1.90 x 4.04 x .80 in. 4.83 x 10.26 x 2.03 cm	3.30 x 4.80 x .85 in 8.38 x 12.19 x 2.16 cm
Max. Read Range [1]	3.0" (7.6 cm)	4.5" (11.4 cm)
Cable distance to host	500' (152 m) max	
Operating Temperature	-30 to 150 deg F (-35 to 65 deg C)	
Operating Humidity	5 - 95% relative humidity, non-condensing	
Operating Voltage Range	10 - 16 VDC	
Current	65 mA avg, 225 mA peak at 12 VDC	80 mA avg, 260 mA peak at 12 VDC
Tamper Output	No	Tamper magnet

[1] Actual operating distance will vary depending upon installation environment and proximity to metal

7

PIÈCES

* 1 - lecteur
* 1 - manuel d'installation
* Vis mécaniques Phillips 2 3,5 mm x 0.66 (pas) x 12
* 3 - Vis mécaniques Phillips autotaraudeuses #6-32 x 0,375"
* 1 - vis de sécurité anti-intrusion à tête carrée #6 x 0.375"

RECOMMANDÉS

* 9 flûtes de jonction de fil
* 1 câble, 5-9 conducteurs (Wiegand ou RS-232), calibre 22AWG, blindé
* Alimentation c.c. linéaire
* Boitier de jonction métallique ou plastique
* Commutateur magnétique - Ademco 945T, Sentrol 1038T, GRI 100T ou 110T ou Aleph DC-2531
* Outil de sécurité (pour vis anti-intrusion)

PEÇAS

* 1 - leitora
* 1 - manual de instalação
* 2 - parafusos Phillips para aplicação à máquina de 3,5 mm x 0,6 de passo x 12 mm
* 3 - parafusos Phillips no 6 de auto-rosqueamento para aplicação à máquina de 32 x 0,375 pol.
* 1 - parafusos de segurança de pino no 6 x 0,375 pol., anti-violação

RECOMENDA-SE

* 9 emendas de fio
* 1 cabo, condutor 5-9, (Wiegand ou RS232), 22AWG revestido
* Fonte de energia CD linear
* Caixa de junção metálica ou plástica
* Interruptor magnético - Ademco 945T, Sentrol 1038T, GRI 100T ou 110T, ou Aleph DC2531
* Ferramenta de segurança (para o parafuso anto-violação)

FICHE TECHNIQUE ESPECIFICAÇÕES

	OM45	OM55
Dimensions	3.30 x 3.30 x .75 in. 8.38 x 8.38 x 1.91 cm	3.30 x 4.80 x .93 in 8.38 x 12.19 x 2.36 cm
Max. Read Range [1]	3.0" (7.6 cm)	4.0" (10.1 cm)
Cable distance to host	500' (152 m) max	
Operating Temperature	-30 to 150 deg F (-35 to 65 deg C)	
Operating Humidity	5 - 95% relative humidity, non-condensing	
Operating Voltage Range	10 - 16 VDC	
Current	80 mA avg, 260 mA peak at 12 VDC	72 mA avg, 244 mA peak at 12 VDC
Tamper Output	Tamper magnet	

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7

部件

* 1 个读卡器
* 1 本安装手册
* 2 个 3.5 mm x .6 pitch x 12 十字机械螺丝
* 3 个 #6-32 x .375″ 十字自紧机械螺丝
* 1 个 #6 x .375″ 扳手紧固螺栓，抗干扰

推荐部件

* 9 个线路绞结器
* 1 条电缆（5-9 传导率）(Wiegand or RS-232), 22AWG 屏蔽式
* 线性 DC 电源
* 金属或塑料接线盒
* 磁性开关 - Ademco 945T, Sentrol 1038T, GRI 100T 或 110T 或 Aleph DC-2531
* 紧固器 (用于紧固抗干扰螺栓)

部品

* リーダ 1
* 取り付けマニュアル 1
* 3.5mmX0.6 ピッチ X12mm プラス小ネジ 2
* ＃ 6-32X0.375" セルフタッピング・プラスネジ 3
* ＃ 6X0.375" 耐タンパ・スパナ式セキュリティネジ 1

推奨

* ワイヤスプライス 9
* 5-9 芯（ウィーガンドまたは RS-232）シールドケーブル 22AWG 1 本
* リニア DC 電源
* 金属製またはプラスチック製接続ボックス
* マグネットスイッチ - Ademco 945T、Sentrol 1038T、GRI 100T または 110T、もしくは Aleph DC-2531
* セキュリティツール（耐タンパネジ用）

规格

仕様

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Tamper Output	No	Tamper magnet

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TEILE

* 1 - Lesegerät
* 1 - Installationshandbuch
* 2 - 3,5 mm x 12 mm Sechskantschraube (Gewindesteigung 6)
* 3 - 32 x 0,375" Sechskantschneidschraube Nr. 6
* 1 - 0,375" Sechskantsicherheitsschraube, Sabotage-Schutz

EMPFOHLEN

* 9 Kabelverbinder
* 1 Kabel, 5-9 Leiter (Wiegand oder RS-232), 22 AWG geschirmt
* Lineare Gleichstromversorgung
* Kabelkasten aus Metall oder Plastik
* Magnetschalter, Ademco 945T, Sentrol 1038T, GRI 100T oder 110T oder Aleph Dc-2531
* Sicherheitswerkzeug (für die Sabotage-Schutz-schraube)

COMPONENTI

* 1 - Lettore
* 1 - manuale di installazione
* 2 - viti da macchina Phillips 3,5 mm x passo 0,6 x 12 mm
* 3 - viti da macchina autofilettanti Phillips numero 6-32 x 0,375 pollici
* 1 - vite di sicurezza a prova di manomissione Spanner numero 6-32 x 0,375 pollici

CONSIGLIATI

* 9 giunti conduttore
* 1 cavo, 5-9 conduttore (Wiegand o RS-232), schermato 22 AWG
* Alimentatore lineare c.c.
* Scatola di diunzione metallica o in plastica
* Inerruttore magnetico Ademco 945T, Sentrol 1038T, GRI 100T o Aleph DC-2531
* Utensile sicurezza (per vite a prova di manomissione)

TECHNISCHE DATEN

DATI TECNICI

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